Index of Claims

| App | licati | on/Co | ntrol | No. |
|-----|--------|-------|-------|-----|
|     |        |       |       |     |

10/644,916

HORWITZ ET AL.

Reexamination

Applicant(s)/Patent under

Examiner

**Art Unit** 

Nam V. Nguyen

2635

Rejected Allowed

(Through numeral) Cancelled

Non-Elected N

**Appeal** 

Restricted

Interference

o Objected

|                | _ [                   | 8/22/05       |               |          |          | Date     |          |                              |              |          |     | Cla   |          | П        |          |               | Γ        | Date     |              |            |          |               |
|----------------|-----------------------|---------------|---------------|----------|----------|----------|----------|------------------------------|--------------|----------|-----|-------|----------|----------|----------|---------------|----------|----------|--------------|------------|----------|---------------|
|                | 1<br>2<br>3<br>4<br>5 | 8/22/05       |               |          |          |          |          |                              | 1            | ĺ        | ı I |       |          |          |          |               |          |          |              |            | 1        | •             |
|                | 2-<br>3-<br>4-<br>5-  | •             |               |          |          |          |          |                              |              |          |     | Final | Original |          |          |               |          |          |              |            |          |               |
|                | 3-<br>4-<br>5-        |               |               |          |          | Н        | Т        |                              | $\vdash$     | Н        | 1 1 |       | 51       | $\vdash$ |          |               | $\vdash$ | _        | $\vdash$     |            | H        |               |
|                | 4<br>5                |               | $\rightarrow$ | - 1      |          | Г        |          |                              | T            | Т        | 1   |       | 52       | П        | _        |               | $\vdash$ |          |              | T          | Т        | Г             |
|                | 5-                    |               | - 1           | ヿ        |          |          |          |                              |              |          |     |       | 53       | Ħ        |          | $\overline{}$ |          |          |              |            |          | Г             |
|                |                       | $\overline{}$ | ヿ             | ヿ        |          |          |          |                              |              | Г        | 1   |       | 54       | П        | _        |               |          |          |              |            | _        | Г             |
|                |                       | ·             | ヿ             | ヿ        |          |          |          |                              | Г            | Г        | 1   |       | 55       | П        |          |               |          |          |              |            |          |               |
| -              | 2                     | -             | 寸             | ヿ        |          | Г        |          |                              | Г            | Г        | 1   |       | 56       | П        |          |               |          |          | _            | <b> </b>   | _        |               |
| -              | - 1                   | •             | ヿ             | 一        |          |          |          |                              |              |          |     |       | 57       | П        |          |               |          |          |              |            |          |               |
|                | 8-                    | -             | T             | ヿ゙       |          |          |          |                              |              |          | 1   |       | 58       | П        |          |               |          |          |              |            |          |               |
|                | 9-                    |               |               |          |          |          |          |                              |              |          | ] [ |       | 59       |          |          |               |          |          |              |            |          |               |
|                | 10-                   | -             |               |          |          |          |          |                              |              |          | ] [ |       | 60       |          |          |               |          |          | . •          |            |          |               |
| ئل             | 11-                   | -             |               |          |          |          |          |                              |              |          | ] [ |       | 61       |          |          |               |          |          |              |            |          |               |
|                | 12                    |               |               |          |          |          |          |                              |              |          |     |       | 62       |          |          |               |          |          |              |            |          |               |
|                | 13                    |               |               |          |          |          |          |                              |              |          |     |       | 63       |          |          |               |          |          |              |            |          |               |
|                | 14                    | $\overline{}$ |               | _        |          |          |          |                              | _            |          |     |       | 64       | Ш        |          |               |          |          |              |            | L        |               |
|                | 15-                   |               |               |          |          |          |          |                              | L            | L        |     |       | 65       | Ц        |          |               | L        |          |              | _          |          |               |
|                | 16-                   |               | _             | _        |          |          |          | L.                           | _            | _        |     |       | 66       | Ц        |          |               |          |          |              | <u> </u>   | _        |               |
|                | 17                    |               |               |          |          |          |          |                              |              |          |     |       | 67       | Ш        |          |               |          |          |              | ŀ          |          |               |
|                | 18                    | 1             | _             | _        |          |          |          | <u> </u>                     | $oxed{oxed}$ | L        |     |       | 68       | Щ        |          |               |          | Ŀ        | _            | _          | L        | Ш             |
|                | 19                    | 1             | _             |          | _        |          | <u> </u> | _                            |              |          |     |       | 69       | Ц        |          |               |          | _        | L            | _          | 匚        |               |
|                | 20                    | 1             | _             |          |          |          | L        | _                            | <u> </u>     | L        |     |       | 70       | Ш        |          |               |          | _        | L            | L          | ╙        | Ш             |
|                | 21                    | 1             | _             |          |          |          | L        |                              | _            | L        |     |       | 71       | Ц        |          |               |          | L        | _            | ᆫ          | ᆫ        |               |
|                | 22                    | √,            | 4             | _        |          |          | L        | ╙                            | <u> </u>     | <u> </u> |     |       | 72       | Ш        |          |               |          |          |              |            |          |               |
|                | 23                    | 1             | _             | _        |          |          |          | $ldsymbol{ldsymbol{\sqcup}}$ |              | <u> </u> |     |       | 73       | Щ        |          |               | L        |          | lacksquare   | _          | L        | L             |
|                | 24                    | 1             | _             | _        | _        |          |          | <u> </u>                     | <u> </u>     | L        |     |       | 74       | Щ        |          |               |          |          | $oxed{oxed}$ | lacksquare | <u> </u> | $\vdash$      |
|                | 25                    | 1             | -             |          | $\dashv$ |          | _        | _                            |              | L        |     |       | 75       | Н        |          |               | _        |          |              | _          | <u> </u> |               |
|                | 26                    | <b>기</b>      | _             |          | _        |          | _        | <u> </u>                     |              | <u> </u> |     |       | 76       | Н        | _        |               |          |          |              | <u> </u>   | <u> </u> | -             |
|                | 27                    | 4             | +             |          |          |          | _        | ├-                           | _            | Ш        |     |       | 77       | Н        | _        |               | Ш        | _        | $\vdash$     | $\vdash$   | <u> </u> |               |
|                | 28<br>29              | <b>V</b>      | $\dashv$      | $\dashv$ | _        | _        |          | -                            |              |          |     |       | 78<br>79 | $\vdash$ |          |               | _        | _        | Ľ            | <u> </u>   | <u> </u> | $\vdash$      |
|                | 30                    | 1             | $\dashv$      | $\dashv$ | -        | -        |          | ⊢                            | $\vdash$     | _        | 1   |       | 80       | Н        | -        |               |          |          |              | _          | <u> </u> | <b>—</b>      |
|                | 31                    | Ť             | $\dashv$      | $\dashv$ |          | Н        | _        | <del> </del>                 | <u> </u>     | _        |     |       | 81       | Н        | $\dashv$ |               |          |          |              | _          | ┝        | H             |
| <del>-  </del> | 32                    | ₹             | $\dashv$      | $\dashv$ | -        |          | _        | ⊢                            | $\vdash$     |          | 1   | -     | 82       | -        |          |               | H        |          |              | _          | ⊢        | H             |
|                | 33                    | Ť             | $\dashv$      | $\dashv$ | -        |          |          | ⊢                            | -            | -        | }   | -     | 83       | $\dashv$ | $\dashv$ |               |          | $\vdash$ |              | _          | H        | $\vdash$      |
|                | 34                    | 7             | $\dashv$      | $\dashv$ | -        |          |          | -                            |              | -        |     |       | 84       | $\dashv$ | $\dashv$ |               |          | _        | -            |            | $\vdash$ | Н             |
|                | 35                    | i             | +             | ┪        | $\dashv$ |          |          | ┢                            | H            | $\vdash$ | 1   |       | 85       | $\dashv$ |          |               |          |          |              |            | $\vdash$ | $\vdash$      |
|                |                       | ने            | $\dashv$      | ┪        | $\dashv$ |          |          | ⊢                            | $\vdash$     |          |     | _     | 86       | -        |          |               |          |          | _            |            | $\vdash$ | $\vdash$      |
|                | _                     | 허             | $\dashv$      | $\dashv$ | $\dashv$ | H        | Н        | $\vdash$                     | $\vdash$     | $\vdash$ |     |       | 87       | $\vdash$ | $\dashv$ | _             | $\vdash$ |          | $\vdash$     | Н          | $\vdash$ | $\vdash$      |
|                | 38                    | ĭ             | $\dashv$      | $\dashv$ | $\dashv$ | $\vdash$ |          | $\vdash$                     | $\vdash$     | -        |     |       | 88       | H        | $\dashv$ |               | Н        | -        |              | -          | $\vdash$ | Н             |
| 1 3            | 39                    |               | $\dashv$      | $\dashv$ | $\dashv$ |          |          | $\vdash$                     | $\vdash$     | _        | ╽┟  |       | 89       | $\vdash$ | _        |               | $\vdash$ | -        | H            | $\vdash$   | $\vdash$ | $\overline{}$ |
| 1 1 4          | 10                    | $\dashv$      | $\dashv$      | $\dashv$ | $\dashv$ | $\vdash$ |          | $\vdash$                     | Н            | Н        |     |       | 90       | $\vdash$ | $\dashv$ |               | $\vdash$ |          | H            | Н          | $\vdash$ | П             |
|                | <del>1</del> 1        | $\dashv$      | $\dashv$      | 7        | $\dashv$ |          |          | $\vdash$                     | _            | $\Box$   |     |       | 91       | $\vdash$ | $\dashv$ |               | -        | -        |              |            | ┢═       | М             |
|                | 12                    | $\dashv$      | $\dashv$      | 7        | $\dashv$ |          |          | Г                            |              | М        |     |       | 92       | $\Box$   |          |               |          |          | П            |            |          | П             |
|                | 13                    | $\dashv$      | $\dashv$      | 7        |          |          |          |                              | М            |          |     |       | 93       | $\dashv$ | $\dashv$ |               |          |          | $\vdash$     |            | _        | П             |
| 4              | 14                    | 7             | 1             | 1        | $\dashv$ |          |          |                              | П            |          | İ   |       | 94       |          | $\dashv$ |               |          |          |              | _          |          |               |
| 4              | 15                    | ┪             | 十             | $\dashv$ |          | $\neg$   |          |                              |              |          |     |       | 95       | $\Box$   |          |               |          |          | П            |            |          | $\Box$        |
| 14             | 16                    | $\dashv$      | $\dashv$      | ╛        | $\neg$   | $\neg$   |          |                              |              |          |     |       | 96       | $\sqcap$ | $\dashv$ |               |          |          |              |            |          |               |
| 4              | 17                    | $\dashv$      |               | ┪        |          |          |          |                              |              |          |     |       | 97       | $\Box$   | 一        |               |          |          | П            |            |          | П             |
| 4              | 18                    |               |               |          |          |          |          |                              |              |          |     |       | 98       |          | ╛        |               |          |          |              |            |          | П             |
| 4              | 19                    | J             | $\Box$        |          |          |          |          |                              |              |          |     |       | 99       |          |          |               |          |          |              |            |          |               |
| 5              | 50                    | $\Box$        | $\Box$        | $\Box$   |          |          |          |                              |              |          |     |       | 100      |          |          |               |          |          |              |            |          |               |

| Cla      | aim      | L        |          |              | _ (          | Date       | e_       |              |          |          |
|----------|----------|----------|----------|--------------|--------------|------------|----------|--------------|----------|----------|
|          |          |          |          |              |              |            |          | Π            |          |          |
| Final    | Original |          |          |              |              |            |          |              |          |          |
|          | 51       |          |          |              |              |            |          |              |          |          |
|          | 52       |          |          | _            |              |            |          | L            |          |          |
|          | 53       |          |          | L.,          |              |            |          |              |          |          |
|          | 54       |          |          |              |              |            |          |              |          |          |
|          | 55       |          |          |              |              |            | Ι        |              |          |          |
|          | 56       |          |          |              |              |            | <u> </u> |              |          |          |
|          | 57       |          |          |              |              |            |          |              |          |          |
|          | 58       | _        |          |              |              | ľ          |          |              |          |          |
|          | 59       |          |          |              |              |            |          |              |          |          |
|          | 60       |          | L        | <u> </u>     |              |            | <u>.</u> | L            | _        | L        |
|          | 61       | <u> </u> | L        | L            | L            | L          | L        |              |          |          |
|          | 62       |          | _        | L            |              |            | L        |              |          |          |
|          | 63       | L        |          |              |              | 匚          |          |              | L        |          |
|          | 64       | ᆫ        | ┖        | L            | 匚            | L          | L        | _            | L        |          |
| <u> </u> | 65       | <u> </u> | <u> </u> | <u> </u>     | <u> </u>     | <u> </u>   |          | _            | <b> </b> | <u> </u> |
|          | 66       | _        | _        | _            | _            | _          | _        | <u> </u>     | _        | L        |
|          | 67       | _        |          |              |              | L          | <u> </u> | ŀ            | _        |          |
|          | 68       | <u> </u> | <u> </u> | ┢            | ┡            | Ľ          | <u> </u> | <u> </u>     | ┡        | H        |
| -        | 69<br>70 | ⊢        | ⊢        | ⊢            | ⊢            | ⊢          | <u> </u> | ⊢            | ⊢        | H        |
|          |          | H        | ⊢        | ⊢            | ⊢            | $\vdash$   | ⊢        | ⊢            | ⊢        | H        |
| -        | 71<br>72 | _        | ⊢        | ⊢            | $\vdash$     | ⊢          | ⊢        | ⊢            | ⊢        | H        |
|          | 73       | ┢        | H        | <del> </del> | ┢            | ┢          | ┢        | ┢            | ┢        |          |
|          | 74       | ┢        | ⊢        | ┢            | H            | ⊢          | ┢        | ┢            | $\vdash$ | $\vdash$ |
|          | 75       | $\vdash$ | $\vdash$ | ┢            |              | $\vdash$   | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$ |
|          | 76       |          |          | ┢┈           | -            | -          | _        | <u> </u>     | 1        | -        |
|          | 76<br>77 |          |          | _            |              |            | _        | $\vdash$     |          | _        |
|          | 78       |          |          | Т            |              | Т          |          | $\vdash$     |          | _        |
|          | 79       |          |          |              |              |            |          |              |          |          |
|          | 80       |          |          |              |              |            |          |              |          |          |
|          | 81       |          |          |              |              |            |          |              |          |          |
|          | 82       |          |          |              |              |            |          |              |          |          |
|          | 83       |          |          | Ŀ            |              |            |          |              |          |          |
|          | 84       | L        |          |              |              |            |          |              |          |          |
| <u></u>  | 85       | <u> </u> | _        |              | L            | L          | L        | Ш            | Ш        | Ш        |
| <u></u>  | 86       | <u> </u> | <u> </u> | <u> </u>     | Щ            | <u>L</u>   | <u>L</u> | oxdot        | Щ        | Щ        |
| <u></u>  | 87       | <u> </u> | <u> </u> | ╙            | L.           | <u> </u>   | <u> </u> | <u> </u>     | <u> </u> | Щ        |
| <u> </u> | 88       | <u> </u> | ├        | $\vdash$     | <u> </u>     | <u> </u>   | Щ        | $\vdash$     | Ь.       | Щ        |
| <b></b>  | 89       | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash$ | $\vdash$     | $\vdash$ | Щ        |
| -        | 90       | $\vdash$ | $\vdash$ | -            | ļ            | <b> </b> - | $\vdash$ | -            | <b>-</b> | Н        |
| <b></b>  | 91<br>92 | $\vdash$ | $\vdash$ | $\vdash$     | H            | $\vdash$   | H        | $\vdash$     | H        | Щ        |
| $\vdash$ | 93       | ⊢        | $\vdash$ | ├            | -            | $\vdash$   | ⊢        | ├            |          | Н        |
| $\vdash$ | 94       | Ь        | $\vdash$ | ├            | <del> </del> | $\vdash$   | <b>-</b> | <del> </del> | -        | $\vdash$ |
| $\vdash$ | 95       | $\vdash$ | $\vdash$ | $\vdash$     |              | -          | H        |              | $\vdash$ | $\vdash$ |
| -        | 96       | H        | $\vdash$ | $\vdash$     | H            | H          | $\vdash$ | H            | $\vdash$ | $\vdash$ |
| $\vdash$ | 97       | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$     | $\vdash$   | Н        | $\vdash$     | $\vdash$ | $\vdash$ |
|          | 98       | H        | $\vdash$ | $\vdash$     | $\vdash$     | -          | $\vdash$ | $\vdash$     | $\vdash$ | Н        |
|          | 99       | _        | Ι        | $\vdash$     |              | $\vdash$   | -        | _            | -        | Н        |
|          | 100      |          | -        | $\vdash$     | $\vdash$     | ┢          | $\vdash$ |              | $\vdash$ | Н        |

| Cli             | aim                                    | Date   |            |              |  |              |          |                           |                                     |                 |
|-----------------|--|--|------------|--------------|--|--------------|----------|---------------------------|-------------------------------------|-----------------|
| Final           | Original                               |  |            |              |  |              |          |                           |                                     |                 |
|                 |  | $\vdash$   | H          |              | ┝  |              | H        | -                         | ┞                                   | H               |
|                 | 101<br>102                             | <del>                                     </del> | _          |              | Н  | H            | Г        | $\vdash$                  |                                     | Н               |
|                 | 103                                    | $\vdash$   | $\vdash$   | ┢            | $\vdash$                                     | $\vdash$     | $\vdash$ | $\vdash$                  | ┢                                   |                 |
|                 | 104                                    | ┢  | $\vdash$   | T            | Н  | Т            | Т        | Ι                         | -                                   |                 |
|                 | 103<br>104<br>105                      | T  |            |              |  |              |          |                           |                                     | П               |
|                 | 106                                    |  |            |              |  |              |          |                           | _                                   | П               |
|                 | 106<br>107                             | Г  | Г          | Г            | Г  |              |          |                           | -                                   | П               |
|                 | 108<br>109                             |  |            |              |  |              |          |                           |                                     |                 |
|                 | 109                                    |  |            |              |  |              |          |                           |                                     |                 |
|                 | l 11∩                                  |  |            |              |  |              |          |                           |                                     |                 |
|                 | 111                                    |  |            |              |  |              |          |                           |                                     |                 |
|                 | 112                                    |  |            |              |  |              |          |                           |                                     |                 |
|                 | 111<br>112<br>113                      |  |            |              |  |              |          |                           | 匚                                   |                 |
| L               | 114<br>115<br>116                      | _  | <u> </u>   | _            | L  |              | L        | <u> </u>                  | <u> </u>                            |                 |
|                 | 115                                    | _  | <u> </u>   | <u> </u>     | Ш  | _            |          | L                         | L                                   | Ш               |
|                 | 116                                    |  | <b> </b> _ | _            | _  | _            | <u> </u> | <u> </u>                  | Щ                                   | Щ               |
|                 | 117                                    | <b> </b>   | <u> </u>   | ╙            | <u> </u>                                     | ╙            | L        | ╙                         | <u> </u>                            | Щ               |
|                 | 117<br>118<br>119<br>120<br>121        | <b> </b>   | <u> </u>   | ┞            | ⊢  | ⊢            | ⊢        | ⊢                         | _                                   | Щ               |
| _               | 119                                    | -  | ⊢          | <u> </u>     | -  | <del> </del> | -        | ⊢                         | -                                   | H               |
|                 | 120                                    | ├  | ├          | ├-           | ├  | $\vdash$     | ⊢        | $\vdash$                  | ┝                                   | Н               |
|                 | 122                                    | ├  | ├          | ⊢            | $\vdash$                                     | $\vdash$     | $\vdash$ | ⊢                         | ⊢                                   | Н               |
|                 | 123                                    | ┢  | ┢╌         | -            | ┝  | -            | $\vdash$ | ┢                         | ⊢                                   | Н               |
|                 | 122<br>123<br>124<br>125<br>126<br>127 | -  | ├          | <del> </del> | -  | $\vdash$     | $\vdash$ | ┢                         | $\vdash$                            | Н               |
|                 | 125                                    | $\vdash$   | ┢          | <del> </del> |  |              |          |                           | $\vdash$                            | Н               |
|                 | 126                                    | T  |            | $\vdash$     |  | $\vdash$     | ┢        | _                         | _                                   | Н               |
|                 | 127                                    |  |            |              |  |              |          |                           |                                     |                 |
|                 | 128                                    |  |            |              |  |              |          |                           |                                     |                 |
|                 | 129                                    |  |            |              |  |              |          |                           |                                     |                 |
|                 | 128<br>129<br>130<br>131<br>132        |  |            |              |  |              |          |                           |                                     |                 |
|                 | 131                                    |  |            |              |  |              |          |                           |                                     |                 |
|                 | 132                                    |  |            |              |  |              |          |                           |                                     |                 |
|                 | 133<br>134<br>135                      | <u> </u>   | <u> </u>   | L            | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{eta}}}$ | Ш            | <u> </u> | $ldsymbol{ldsymbol{eta}}$ | <u> </u>                            | Щ               |
|                 | 134                                    | $\vdash$   | L          | <u> </u>     | <u> </u>                                     | <u> </u>     | _        | <u> </u>                  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | Щ               |
|                 | 135                                    | <u> </u>   | L          | <b>—</b>     | <u> </u>                                     | ⊢            | <u> </u> | Щ                         | <u> </u>                            | Щ               |
|                 | 136                                    | ١  | L_         | $\vdash$     | _  | $\vdash$     | <u> </u> | L.                        | <u> </u>                            | Ш               |
|                 | 136<br>137<br>138                      | $\vdash$   | L          | <b> </b>     | <u> </u>                                     | <u> </u>     | ļ        | <u> </u>                  | -                                   | Ш               |
|                 | 138                                    | $\vdash$   | -          | $\vdash$     | <u> </u>                                     | <u> </u>     |          | ├—                        | Ľ                                   | $\vdash \vdash$ |
|                 | 139                                    | $\vdash$   | -          | $\vdash$     | -  | -            |          | ├                         | $\vdash$                            | ⊢⊢              |
|                 | 141                                    | $\vdash$   | $\vdash$   | $\vdash$     | <u> </u>                                     | $\vdash$     | -        | $\vdash$                  | $\vdash$                            | $\vdash\vdash$  |
|                 | 142                                    |  | H          | $\vdash$     | _  | $\vdash$     |          | <del> </del>              | $\vdash$                            | $\vdash\vdash$  |
| $\vdash \vdash$ | 143                                    | $\vdash$   | -          | $\vdash$     | Η-   | $\vdash$     |          | H                         | $\vdash$                            | Н               |
|                 | 144                                    | Н  | H          |              |  | $\vdash$     |          |                           |                                     | $\vdash$        |
|                 | 145                                    | Н  | -          | Н            | ┢  | $\vdash$     | Η-       | $\vdash$                  | $\vdash$                            | $\vdash$        |
| -               | 146                                    | П  |            |              | Г  |              | Г        | т                         |                                     | Н               |
|                 | 147                                    |  |            |              | Г  |              |          | П                         |                                     | Н               |
|                 | 148                                    |  |            |              |  |              |          |                           |                                     | П               |
|                 | 149                                    |  |            |              |  |              |          |                           |                                     | П               |
|                 | 150                                    |  |            |              |  |              |          |                           |                                     |                 |